

Please leave this manual with the end user

SERVO
DRIVE



SERVO-DRIVE

User Manual

User Manual

About the user manual

SERVO-DRIVE from Blum, Inc. is a high-quality product that simplifies everyday kitchen tasks. The User Manual is intended for all users of drawers equipped with SERVO-DRIVE. To better enjoy the comfort of SERVO-DRIVE and to ensure its safe operation, please note the following:

WARNING

- CAREFULLY READ THE SERVO-DRIVE USER MANUAL BEFORE ATTEMPTING TO OPERATE, CLEAN, REMOVE OR REPAIR ANY SERVO-DRIVE PRODUCT. TO AVOID SERIOUS INJURY OR DEATH, FOLLOW THE SAFETY INFORMATION AND USER'S MANUAL INSTRUCTIONS IN THIS DOCUMENT.
- Retain the User Manual for the service life of SERVO-DRIVE.
- Please pass on the User Manual to any subsequent owner or user of SERVO-DRIVE.

WARNING

CAUTION

The following symbols indicate important safety instructions.

WARNING

Safety information

- Failure to follow any of the instructions provided in the User Manual will result in the voiding of all product warranties and may result in less-than optimum system performance, improper system performance, damage to system components and unsafe conditions.
- SERVO-DRIVE must be installed by a professional familiar with safe practices in installing electrical systems and components and in compliance with all applicable codes.
- Installation, setup, initial operation, maintenance, repairs, replacement and removal of SERVO-DRIVE and its components must be undertaken exclusively by a qualified professional installer in accordance with the instructions contained in the SERVO-DRIVE Installation Instructions.
- Switch off the power and/or unplug the SERVO-DRIVE power cord before cleaning, inspecting or servicing the SERVO-DRIVE components.
- To prevent misuse, switch off the power and/or unplug the SERVO-DRIVE power cord when not in use.
- Do not allow the SERVO-DRIVE power supply to be covered or surrounded by towels, debris, or other items, as this may result in overheating, which may damage the unit or pose a fire hazard.
- There is a danger of electric shock if fluids contact or penetrate the SERVO-DRIVE power supply or power cord.

WARNING

- BLUM, INC. IS NOT RESPONSIBLE FOR INJURY, DEATH OR DAMAGES, INCLUDING INCIDENTAL AND CONSEQUENTIAL DAMAGES, WHICH MAY RESULT FROM MISUSE OF SERVO-DRIVE OR FAILURE TO FOLLOW THESE INSTRUCTIONS. WHEN USING SERVO-DRIVE, BE AWARE OF THE RISK OF DEATH BY ELECTRIC SHOCK.

WARNING

Children

Children must be instructed as to the proper use of the SERVO-DRIVE system. Children must be supervised while in the presence of any part of the SERVO-DRIVE system to avoid unintentional activation or use of the drawer in an improper or dangerous manner. Children can fall or be injured when the drawer opens if they are not properly supervised.

- Do not allow children to use any SERVO-DRIVE product without adult supervision.
- Warn children of the risk of death by electric shock.

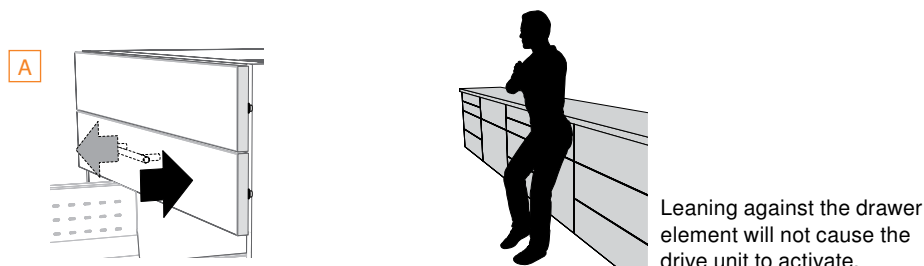
Intended use

SERVO-DRIVE supports the opening of drawers in cabinets. It may be used only under the following conditions:

- In cabinets installed in dry, interior rooms.
- In combination with Blum TANDEM or TANDEMBOX runner systems within permitted technical specifications.

Operating instructions

SERVO-DRIVE is an electronic opening feature for TANDEM and TANDEMBOX drawers. Drawers open automatically with just a touch of the drawer front or with a light pull of the handle (as shown in figure A). This feature is based on an electric drive that, once activated, opens the drawer partially for you.



Deactivate the SERVO-DRIVE system:

- When cleaning drawer fronts to prevent drawers from opening unintentionally.
- When unsupervised children have access to the kitchen area.
- When the system is unattended.
- When servicing the system.

To deactivate the SERVO-DRIVE system:

An on/off switch is recommended. Otherwise, SERVO-DRIVE must be plugged into a readily accessible, dedicated Ground Fault Circuit Interrupter (GFCI) outlet and unplugged from the GFCI to deactivate the system when it is not in use.

⚠ CAUTION

Unintended activation

Inadvertent activation of SERVO-DRIVE may occur if a drawer is accidentally bumped. SERVO-DRIVE activation will result in the drawer sliding outward into the kitchen area. If this occurs without the knowledge of persons in the area, unanticipated contact with the open drawer may occur resulting in injury due to impact, trip, or fall. Children and the elderly may be more susceptible to injury due to this hazard. To minimize the probability of this type of event, it is recommended that:

- Only those persons familiar with the presence and operation of SERVO-DRIVE be permitted in the immediate area of SERVO-DRIVE operation.
- SERVO-DRIVE is switched off or unplugged when the system is unattended.

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Improper use of SERVO-DRIVE will result in extreme wear to the unit

- Do not routinely stop the drawer when the unit is opening.
- Do not use excessive force to stop the drawer when opening, except for safety reasons.

⚠ CAUTION

Cleaning

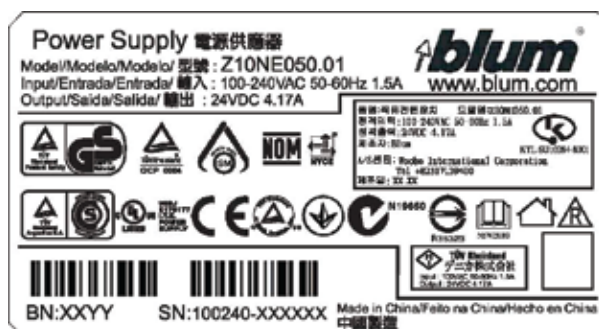
- While SERVO-DRIVE components can be gently cleaned using a moist cloth, make sure that no water, liquid cleaners, cleaning fluid or harsh cleaning products come in contact with the SERVO-DRIVE components. Electric shock hazard may result.
- Avoid contact with any combustible materials on the surface of the power supply housing.

Disposal

Any worn-out, damaged, or malfunctioning SERVO-DRIVE components should be disposed of in a separate collection for electrical appliances in accordance with local regulations.

Serial tag

The following serial tag can be found on the SERVO-DRIVE power supply:

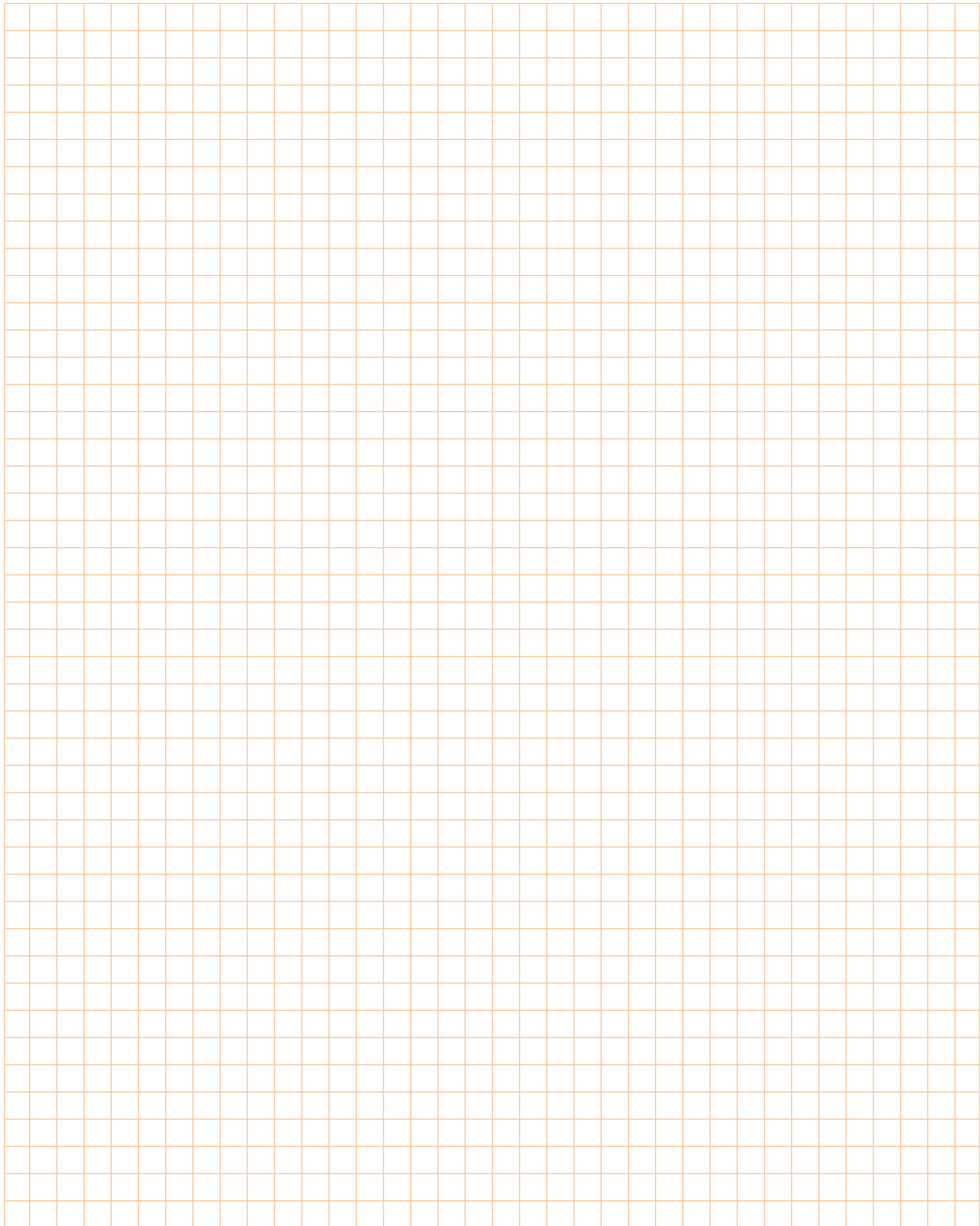


Troubleshooting guide



Problem	Possible cause	Remedy
SERVO-DRIVE will not work for all drawers in kitchen when pushing or pulling.	GFCI outlet reset switch tripped	Reset GFCI
	Power supply malfunction	Reset GFCI Contact your cabinet manufacturer's customer service to correct the problem.
SERVO-DRIVE will not work for an entire cabinet when pushing or pulling	Damage to cabling	Contact your cabinet manufacturer's customer service to correct the problem.
SERVO-DRIVE will not work for an individual drawer when pushing or pulling	Drawer is blocked by an object	Open drawer manually Remove object
	Drive unit not connected properly	Contact your cabinet manufacturer's customer service to correct the problem.
	Drive unit malfunction	Contact your cabinet manufacturer's customer service to correct the problem.
SERVO-DRIVE will only work when pulling not pushing	Drive unit malfunction	Contact your cabinet manufacturer's customer service to correct the problem.
	Blum distance bumper malfunction	Contact your cabinet manufacturer's customer service to correct the problem.
Drawer opens forcefully	Drive unit malfunction	Contact your cabinet manufacturer's customer service to correct the problem.
Drawer does not sufficiently open	Drive unit malfunction	Contact your cabinet manufacturer's customer service to correct the problem.
Several drawers open simultaneously	Drive unit malfunction	Contact your cabinet manufacturer's customer service to correct the problem.
NOTE: If SERVO-DRIVE should fail for all drawers, you can open drawers manually. For handle-less drawers, start with the bottom drawer.		
NOTE: The SERVO-DRIVE warranty is extended to the original cabinet manufacturer or the original distributor of the SERVO-DRIVE components only. Please consult these sources when dealing with warranty issues.		

Notes





Please visit www.blum.com for information on other Blum products.
Technical specifications subject to change without notice.
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